

# Surface Plasmonic Effects of Metallic Nanoparticles on Heterojunction Solar Cells

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Quantitative Nanoorganized Structural Evolution for a High Efficiency Bulk Heterojunction Polymer Solar Cell. Journal of the American Chemical Society, 2011, 133, 13064-13073.	6.6	135
3	Plasmon-induced modulation of the emission spectra of the fluorescent molecules near gold nanorods. Nanoscale, 2011, 3, 3849.	2.8	93
4	The effects of 100nm-diameter Au nanoparticles on dye-sensitized solar cells. Applied Physics Letters, 2011, 99, 253107.	1.5	83
5	Improving the efficiency of polymer solar cells by incorporating gold nanoparticles into all polymer layers. Applied Physics Letters, 2011, 99, .	1.5	157
6	Plasmonic Enhancement of Raman Scattering from the Organic Solar Cell Material P3HT/PCBM by Triangular Silver Nanoprisms. Journal of Physical Chemistry C, 2011, 115, 20788-20794.	1.5	69
7	Absorption Enhancement in Solution Processed Metal-Semiconductor Nanocomposites. Optics Express, 2011, 19, 21038.	1.7	24
8	Plasmonic Polymer Tandem Solar Cell. ACS Nano, 2011, 5, 6210-6217.	7.3	326
9	Light-trapping nano-structures in organic photovoltaic cells. Journal of Materials Chemistry, 2011, 21, 16293.	6.7	88
10	Highly Efficient Plasmon-Enhanced Dye-Sensitized Solar Cells through Metal@Oxide Core-Shell Nanostructure. ACS Nano, 2011, 5, 7108-7116.	7.3	386
11	Enhanced Structural Stability and Performance Durability of Bulk Heterojunction Photovoltaic Devices Incorporating Metallic Nanoparticles. Advanced Functional Materials, 2011, 21, 3573-3582.	7.8	105
12	Enhancement of photoconduction in a conjugated polymer through doping with copper nanoparticles. Optical Materials, 2011, 33, 1372-1376.	1.7	20
13	Photoinduced anisotropy and polarization holographic gratings formed in Ag/TiO <sub>2</sub> nanocomposite films. Applied Optics, 2012, 51, 3357.	0.9	19
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15	Optical and electrical study of organic solar cells with a 2D grating anode. Optics Express, 2012, 20, 2572.	1.7	52
16	Near-field enhanced ultraviolet resonance Raman spectroscopy using aluminum bow-tie nano-antenna. Applied Physics Letters, 2012, 101, 113116.	1.5	46
17	Hydrogenated Amorphous Silicon Thin Film Solar Cells Using a Hybrid Buffer Layer of Gold Nanoparticle and Tungsten Oxide Thin Film. ECS Solid State Letters, 2012, 1, Q42-Q44.	1.4	5
18	Effects of Film Thickness on the Photocurrent Generation from Polythiophene- Fullerene Thin Films Containing Silver Nanoparticles. Japanese Journal of Applied Physics, 2012, 51, 02BK04.	0.8	8
19	Research Highlights on Organic Photovoltaics and Plasmonics. IEEE Photonics Journal, 2012, 4, 620-624.	1.0	12

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21	Surface-plasmon resonance for photoluminescence and solar-cell applications. Electronic Materials Letters, 2012, 8, 351-364.	1.0	25
22	Plasmonic backscattering enhancement for inverted polymer solar cells. Journal of Materials Chemistry, 2012, 22, 22781.	6.7	23
23	Au@SiO <sub>2</sub> nanoparticles coupling co-sensitizers for synergic efficiency enhancement of dye sensitized solar cells. Journal of Materials Chemistry, 2012, 22, 24734.	6.7	16
24	Fast Fabrication of a Ag Nanostructure Substrate Using the Femtosecond Laser for Broad-Band and Tunable Plasmonic Enhancement. ACS Nano, 2012, 6, 5190-5197.	7.3	67
25	Optical and electrical effects of gold nanoparticles in the active layer of polymer solar cells. Journal of Materials Chemistry, 2012, 22, 1206-1211.	6.7	222
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57	Efficiency Enhancement in Bulk-Heterojunction Solar Cells Integrated with Large-Area Ag Nanotriangle Arrays. <i>Journal of Physical Chemistry C</i> , 2012, 116, 14820-14825.	1.5	46
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93	Self-doping and surface plasmon modification induced visible light photocatalysis of BiOCl. <i>Nanoscale</i> , 2013, 5, 10573.	2.8	233
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